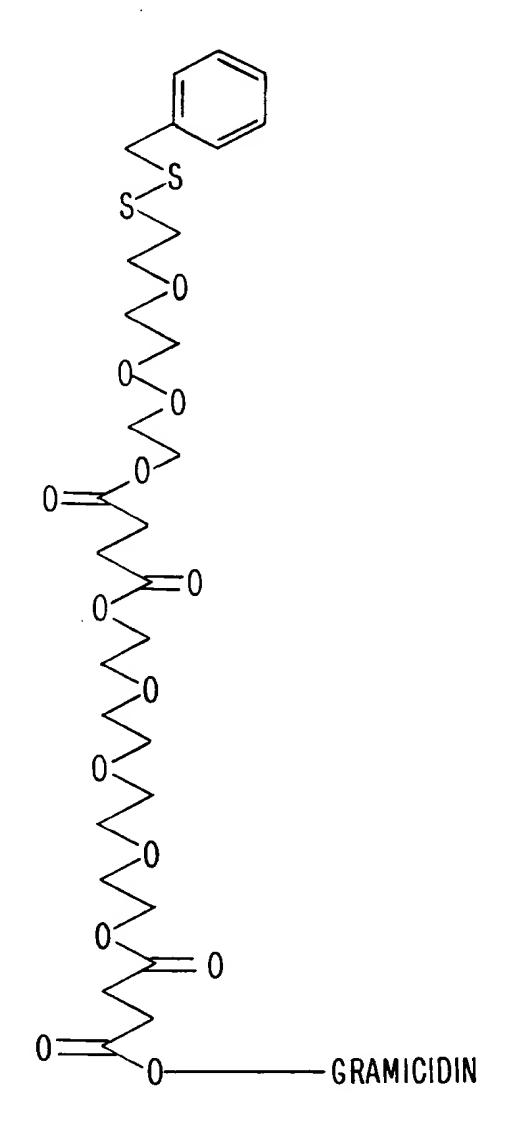
$$S-S(\mathcal{A})$$

INKER LIPID A



LINKER GRAMICIDIN B

F1G.2

MEMBRANE SPANNING LIPID C

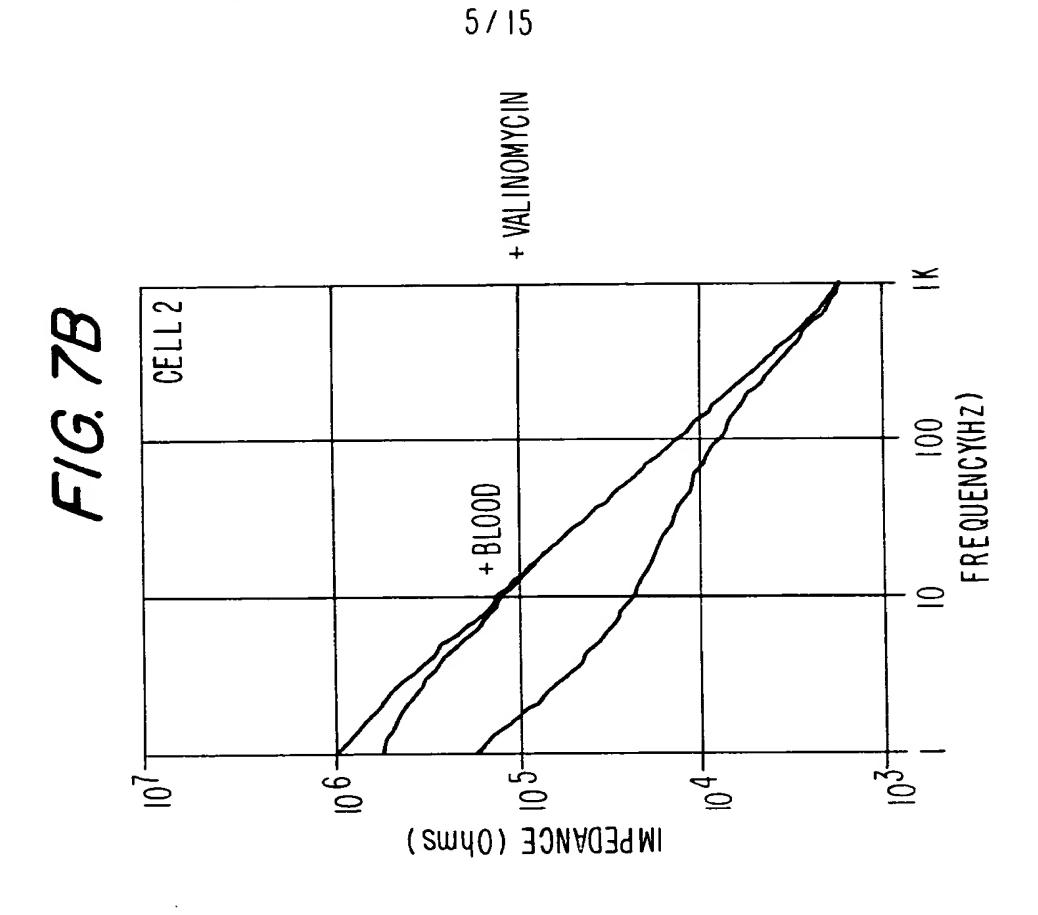
# F16.3

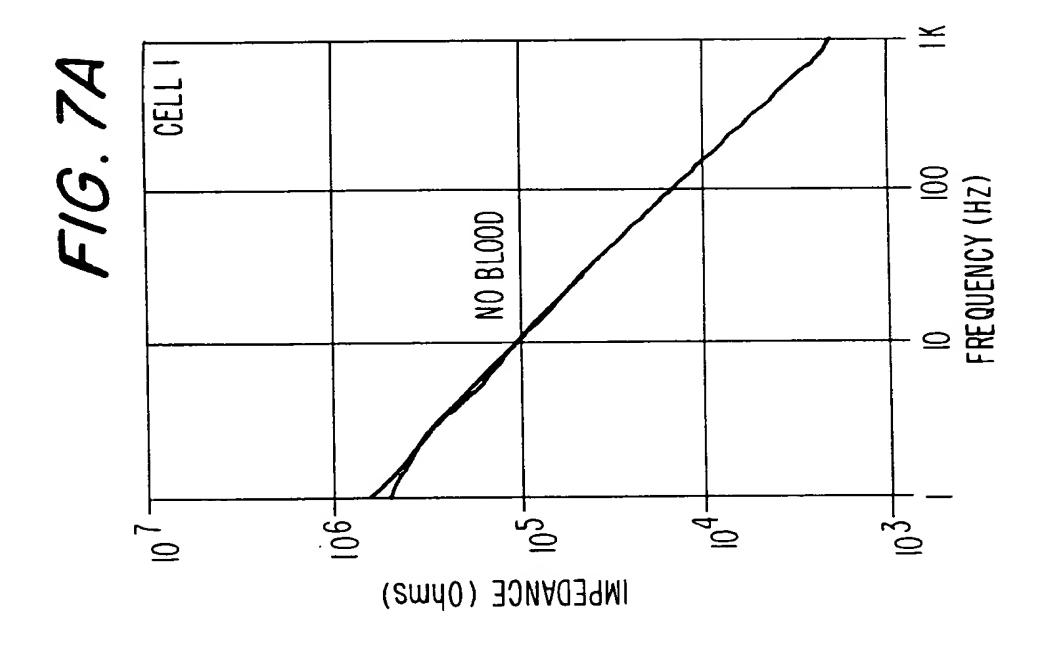
BIOTINYLATED GRAMICIDIN E

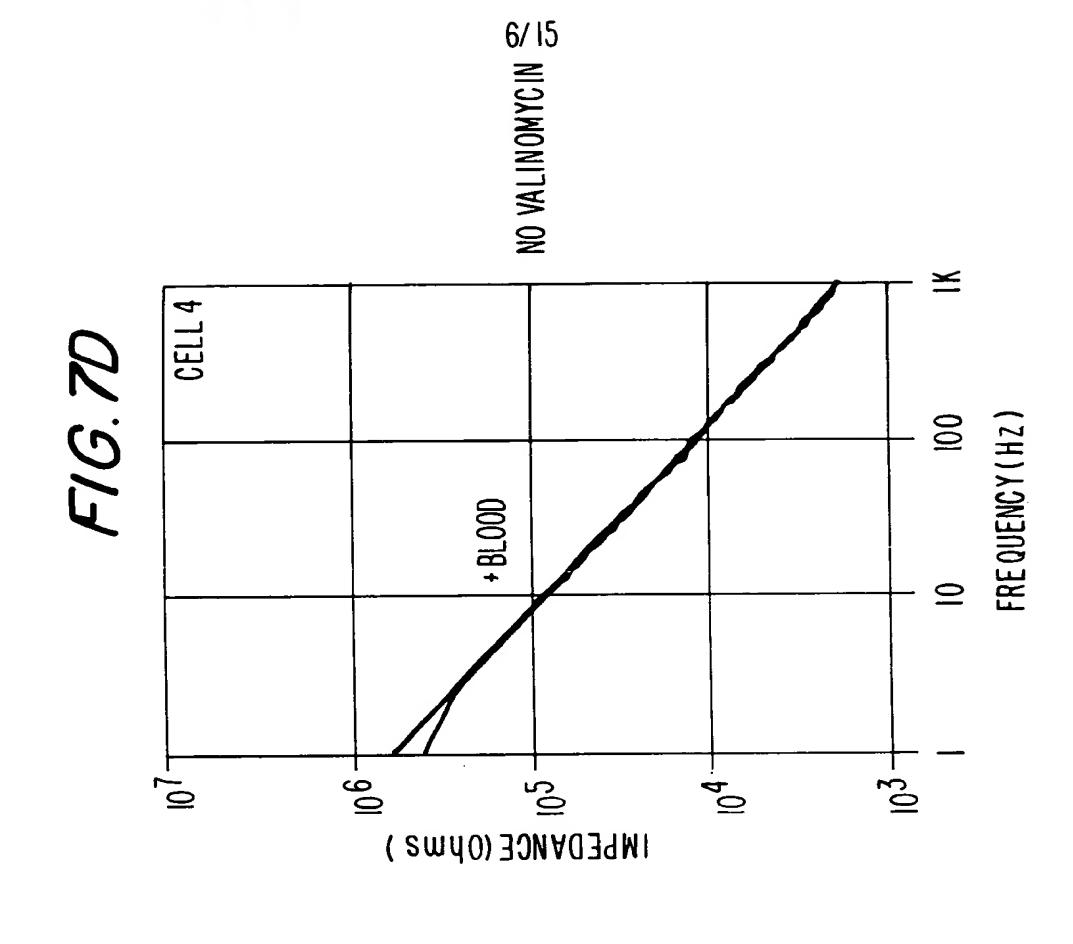
F1G. 4

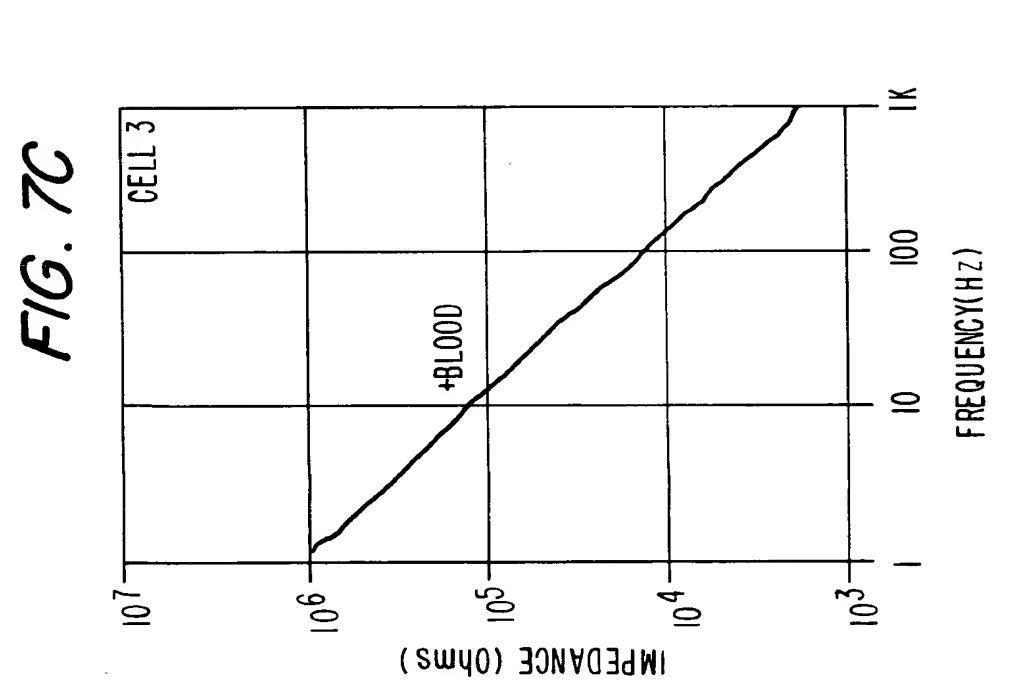
$$\left(\begin{array}{c} \begin{array}{c} \\ \\ \end{array}\right)_{3} \\ \begin{array}{c} \\ \\ \end{array}\right)_{0} \\ \begin{array}{c} \\ \\ \end{array}\right)_{0} \\ \begin{array}{c} \\ \\ \end{array}\right)_{0} \\ \begin{array}{c} \\ \\ \end{array}\right)_{3} \\ \begin{array}{c} \\ \\ \\ \end{array}\right)_{3} \\ \begin{array}{c} \\ \\ \\ \end{array}\right)_{3} \\ \begin{array}{c} \\ \\ \\ \end{array}$$

F1G.6



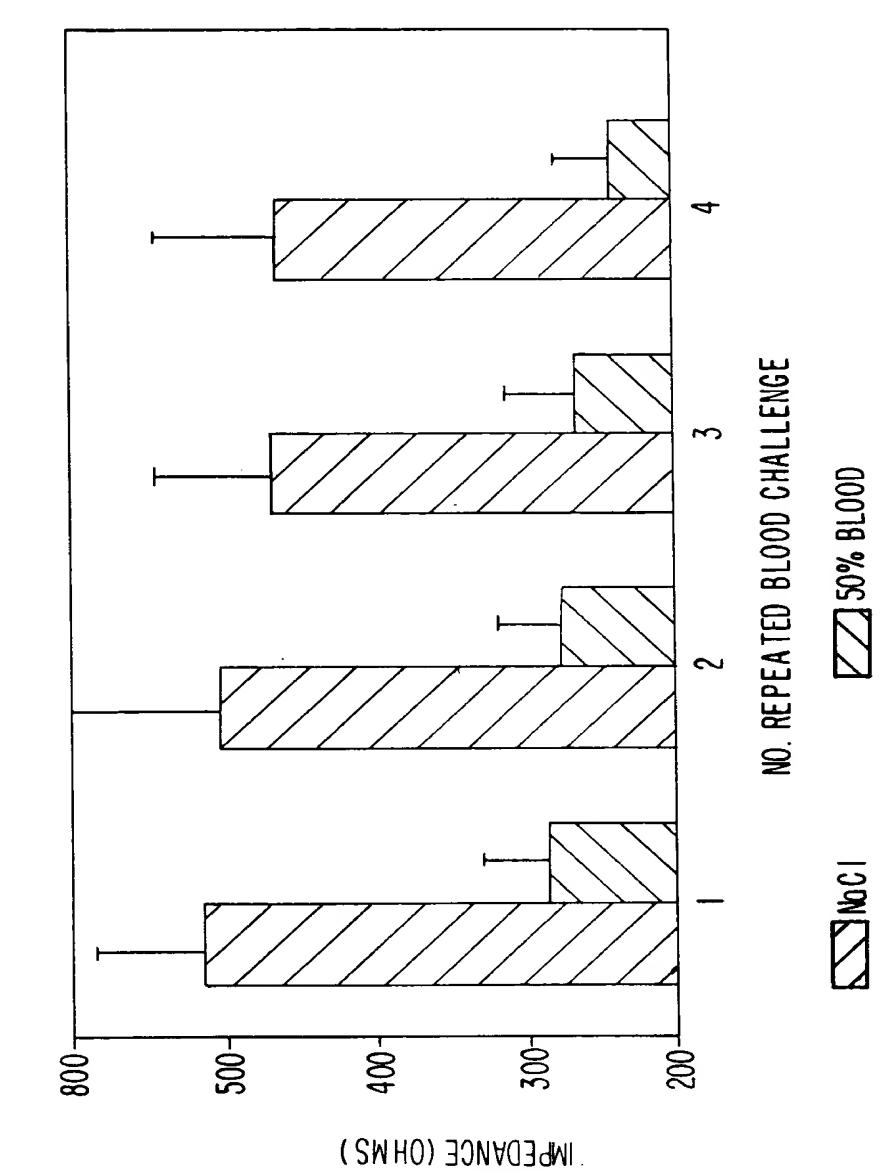






.000

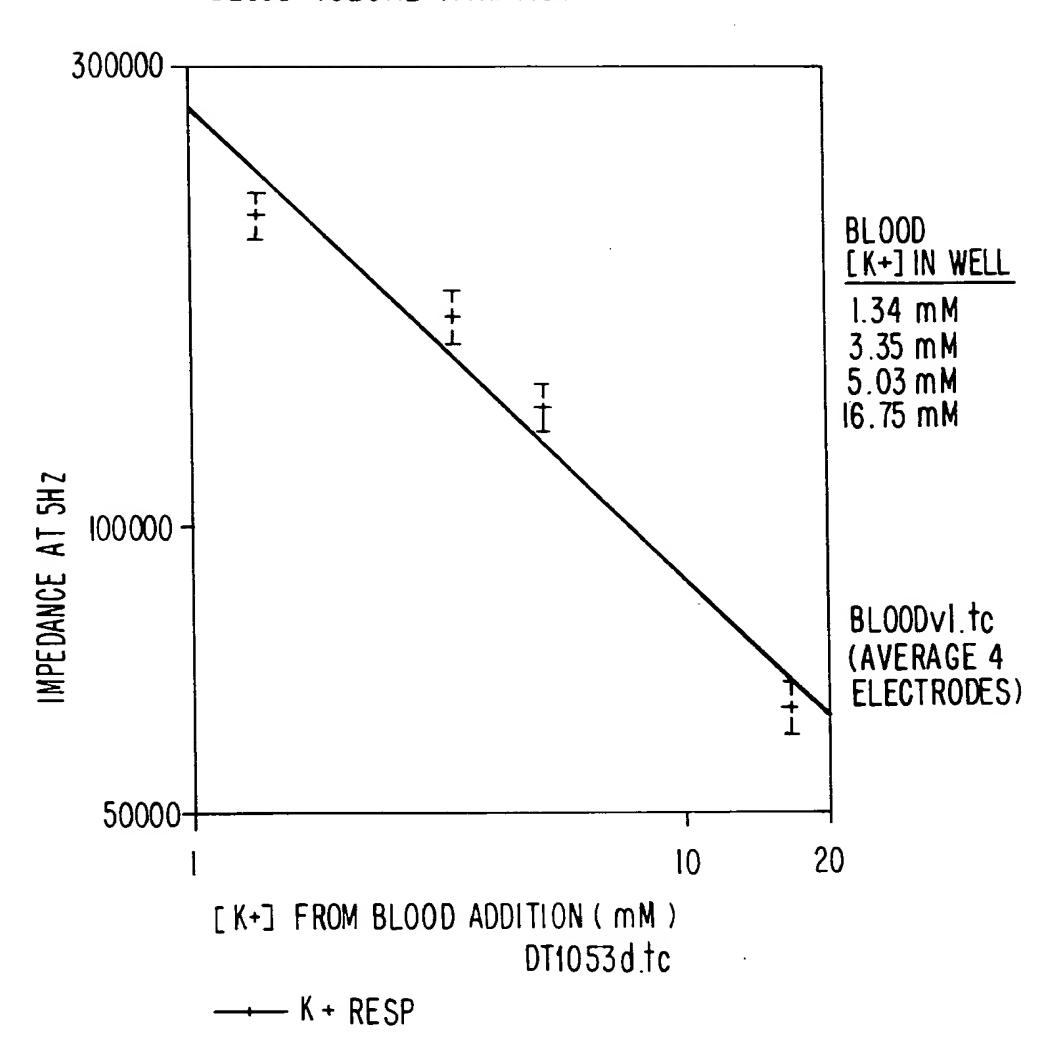
REPEATED CHALLENGE WITH BLOOD: ALL MONOLAYERS, PBS WASH, + mM VAL

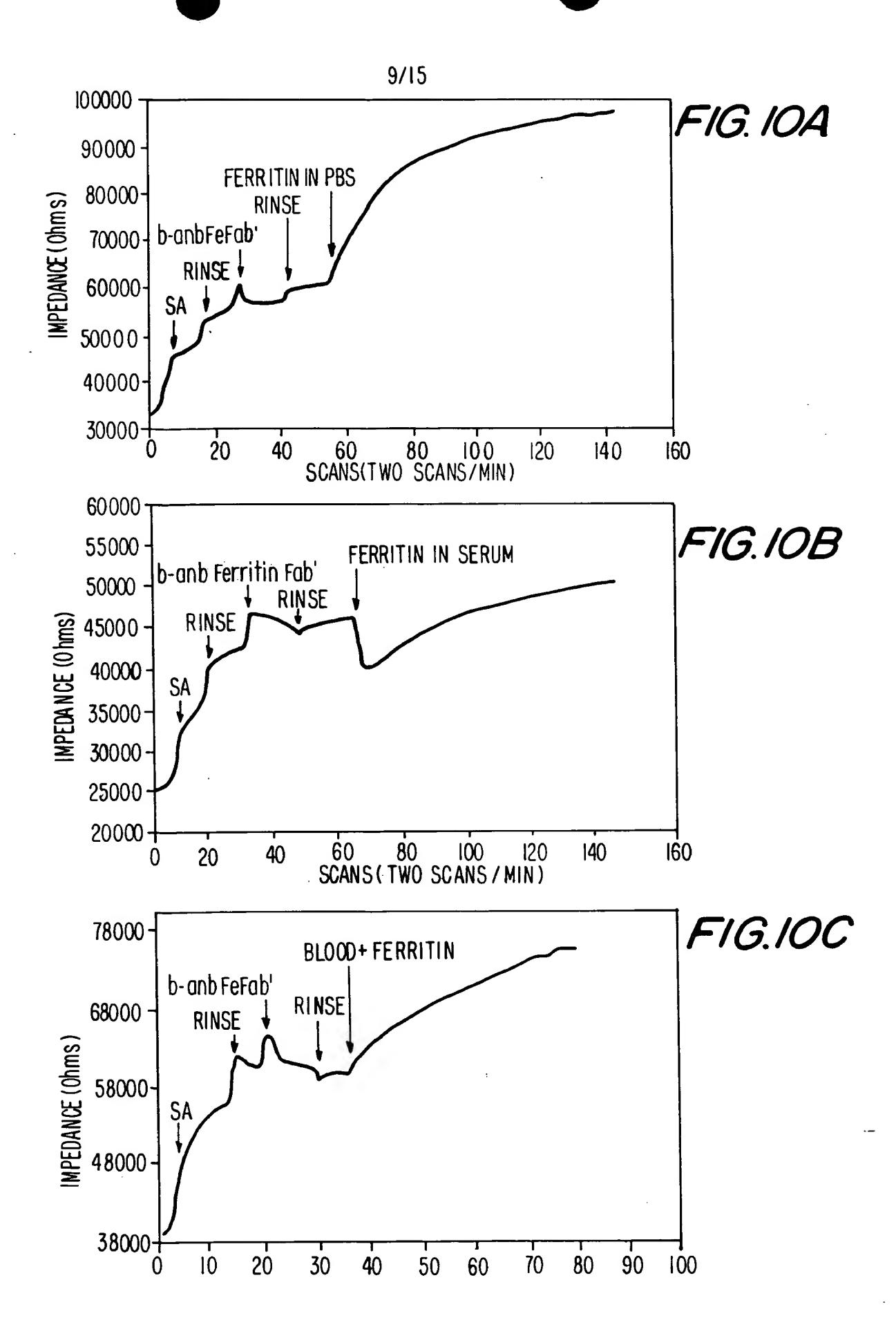


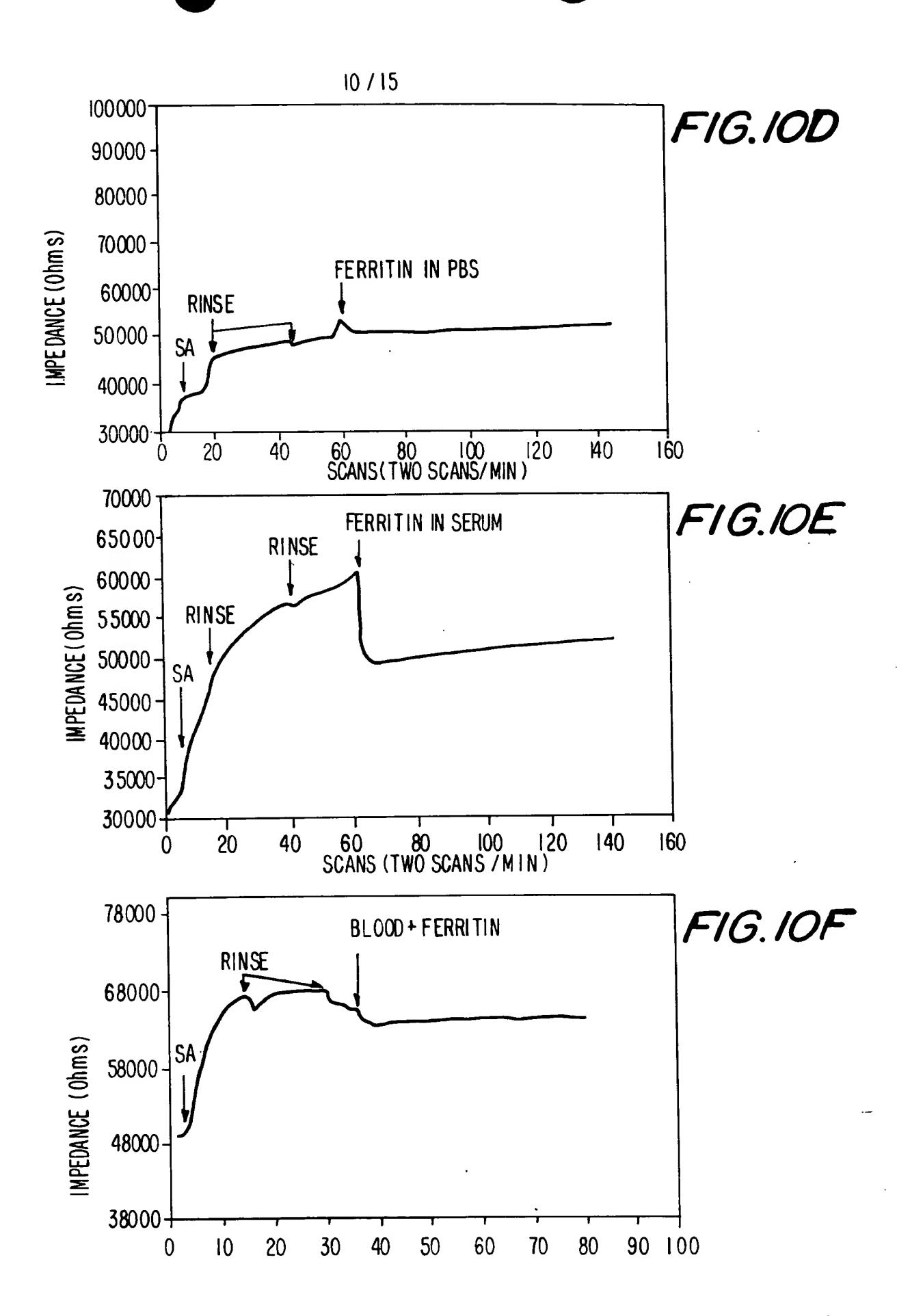
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FIG. 9

### BLOOD-VOLUME TITRATION



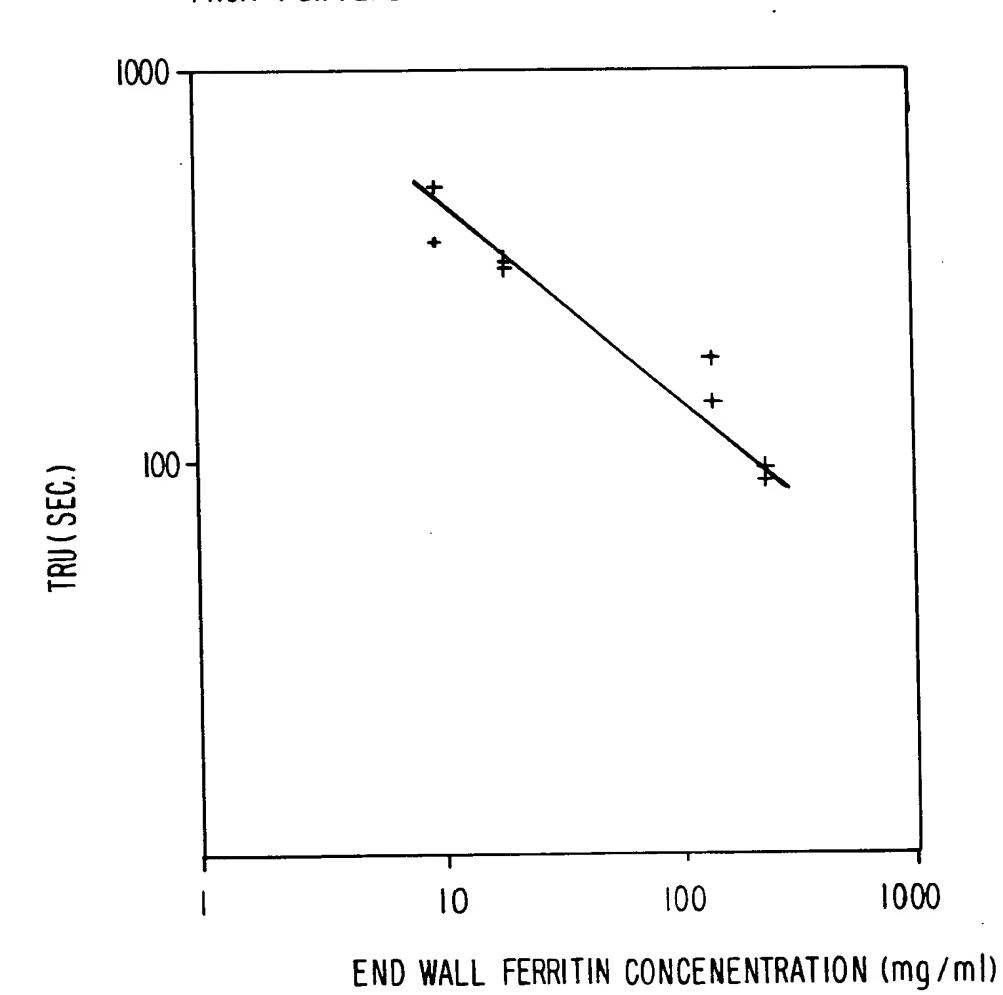




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F1G.11

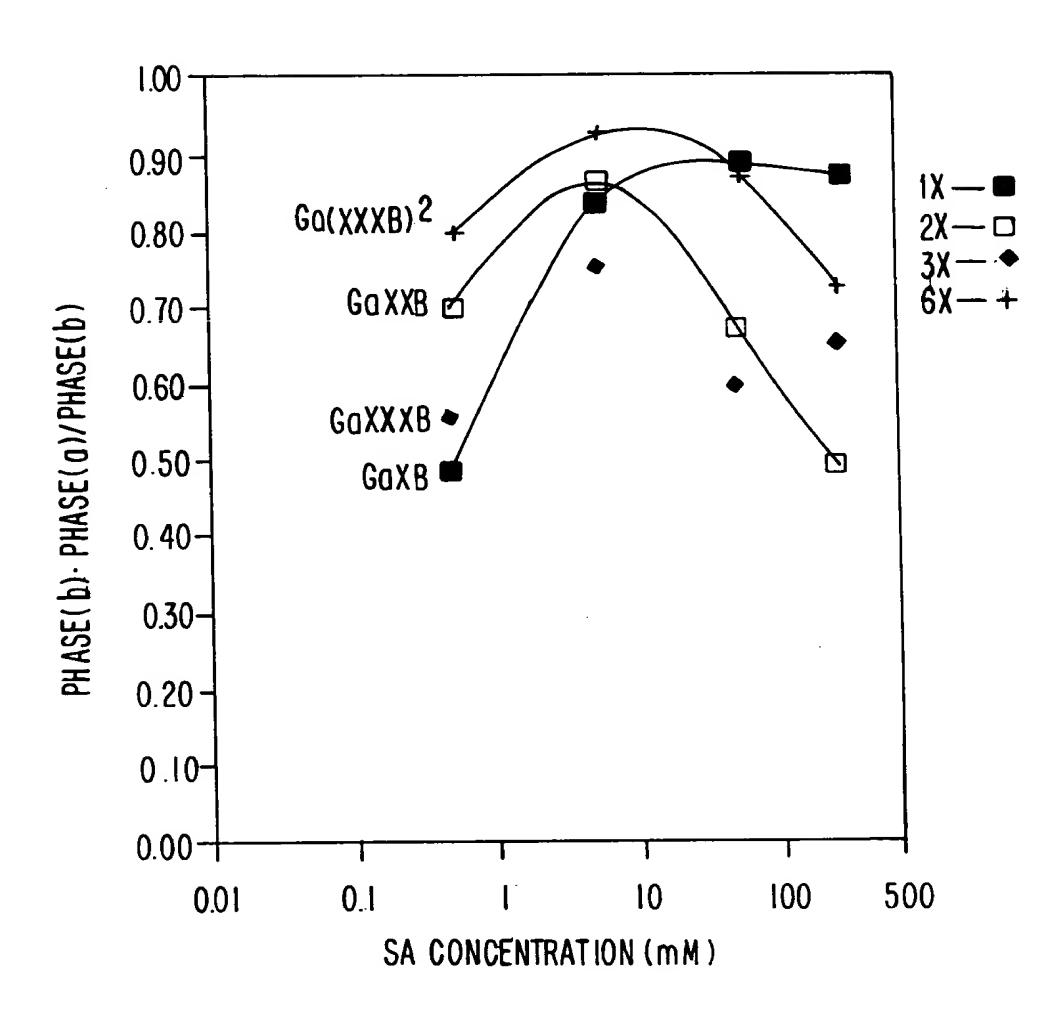
# ENDOGENOUS SERUM FERRITIN DETECTION FROM 4 DIFFERENT VOLUNTEERS



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## F1G. 12

#### SA TITRATION WITH VARIOUS GaX..B



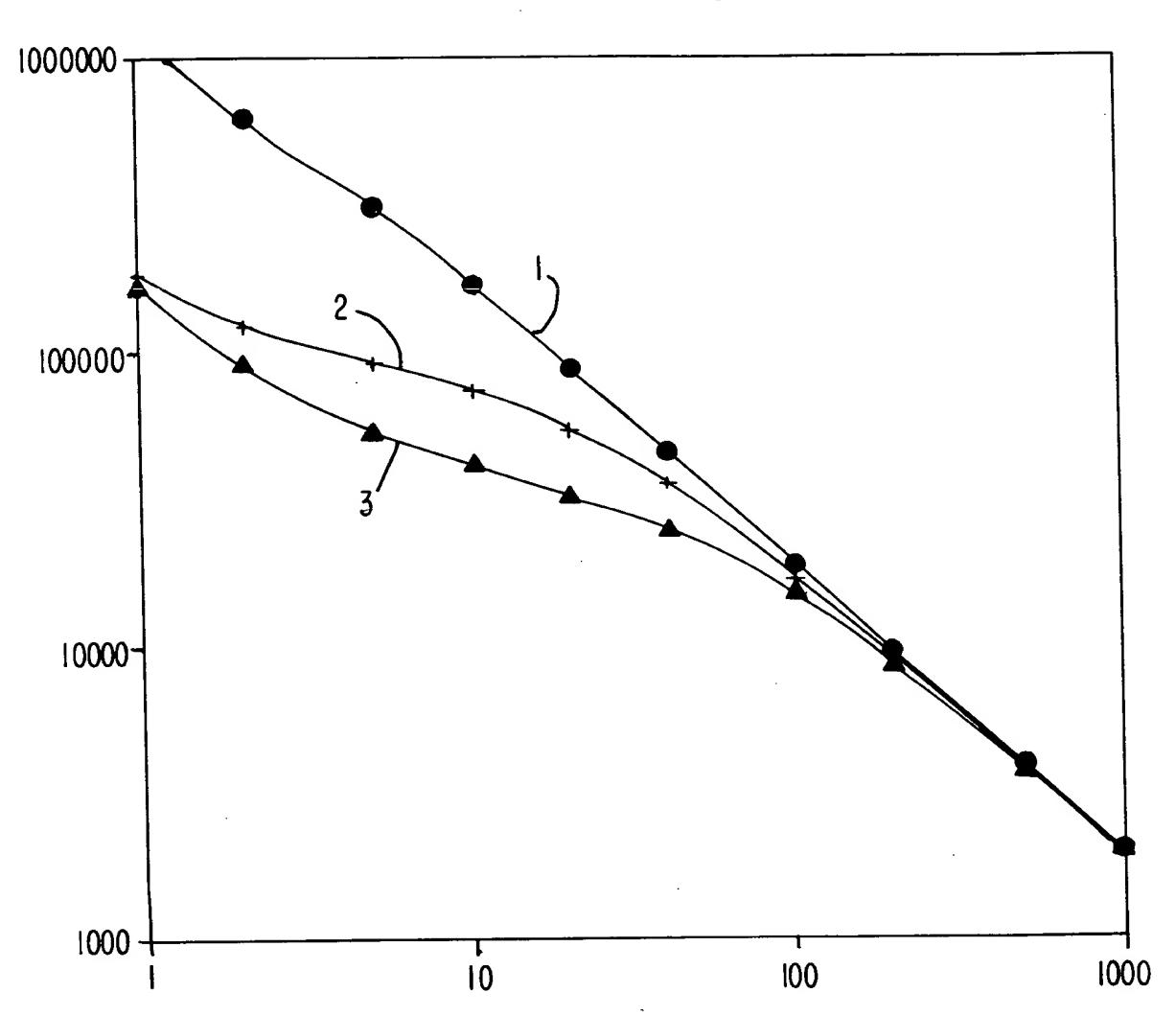
#### METHOD: 5/4 MEMBRANES

1st LAYERS: 10 mM GMPE 1 mM DLP 10 uM MSLXXB 0.8 mM MAAD 0.1 uM Gayyss

2nd LAYERS: 28 mM GMPE 0.28 uM Gax.B Chosen from the following: GaxB GaxxB GaxxB GaxxxB Ga(xxxB)2

EXAMPLE OF TA ASSAY WITH AMBRIBIOSENSOR ANS ANS F1G. 13 14 ANS TBC or ANS TBPA OF ALBUMIN ( ANS

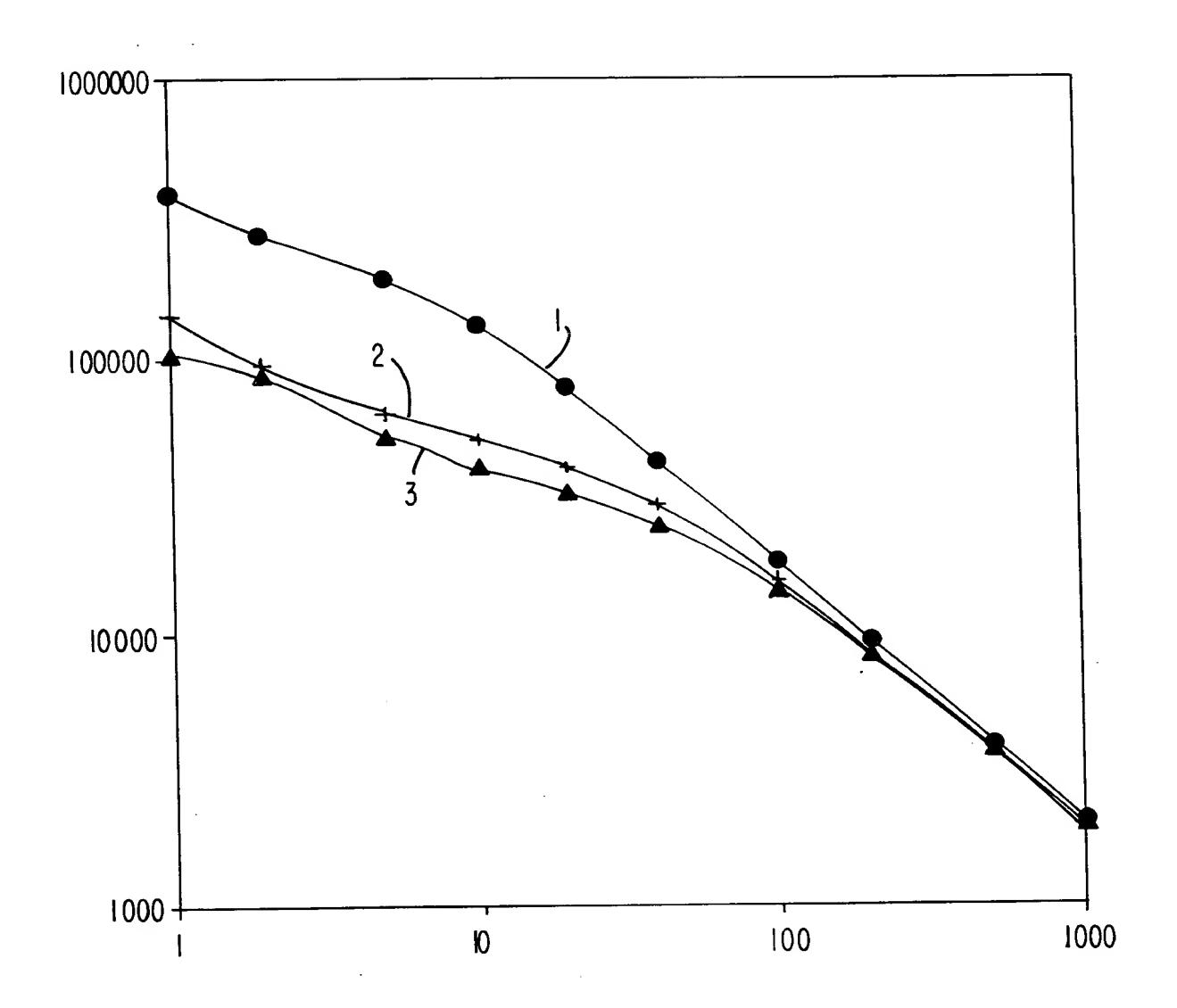
F1G. 14



- (1) BEFORE THE ADDITION OF GRAMICIDIN/SDS
- (2) AFTER THE ADDITION OF GRAMICIDIN/SDS; STREPTAVIDIN AND BIOTINYLATED FAB'
- (3) AFTER THE ADDITION OF FERRITIN

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# F1G.15



- (1) BEFORE ADDITION OF GRAMICIDIN/STREPTAVIDIN
- (2) AFTER ADDITION OF GRAMICIDIN/STREPTAVIDIN AND BIOTINYLATED FAB'S
- (3) AFTER ADDITION OF TSH